526√ (power series multiplication) Write a program to read from channel a an infinite sequence of coefficients a_0 a_1 a_2 a_3 ... of a power series $a_0 + a_1{\times}x + a_2{\times}x^2 + a_3{\times}x^3 + \ldots$ and concurrently to read from channel b an infinite sequence of coefficients b_0 b_1 b_2 b_3 ... of a power series $b_0 + b_1{\times}x + b_2{\times}x^2 + b_3{\times}x^3 + \ldots$ and concurrently to write on channel c the infinite sequence of coefficients c_0 c_1 c_2 c_3 ... of the power series $c_0 + c_1{\times}x + c_2{\times}x^2 + c_3{\times}x^3 + \ldots$ equal to the product of the two input series. Assume that all inputs are already available; there are no input delays. Produce the outputs one per time unit.

§   see book Subsection 9.1.9